

AMENDMENTS TO CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method for installing and launching a network application on a client device, through a distributed network, the application contained on a server, the method comprising:

using a network client application on the client device to accessing the server through the network;

using the network client application to selecting parameters of the application;

determining if the latest version of the application is present on a the client device;

downloading and installing an archive file from said network to said client device containing the latest version of the application if the latest version of the application is not present on the client device;

launching the application on the client device; and

using the network client application to passing parameters to a network port in communication with said network;

having the application listen to the port and implement the parameters intended for in communication with the application, wherein the application is configured to access native libraries of the archive file.

2. (Currently Amended) The method as recited in claim 1, wherein the application is configured to access native libraries of the archive file. passing parameters to a port further includes:

configuring the application to listen to the port; and

sending the parameters over the port, the parameters being sent by a control module.

3. (Original) The method as recited in claim 2, wherein the port is a TCP/IP port.

4. (Currently Amended) The method as recited in claim 1, wherein the application is a Java application, the Java application configured to be executed by a Java virtual machine of an operating system of the client device.

5. (Original) The method as recited in claim 1, wherein the archive file is a .cab file, the .cab file including the application and a control module.

6. (Original) The method as recited in claim 5, wherein the application is a Java application and the .cab file includes native libraries, the native libraries configured to standardize an output of the Java application across platforms.

7. (Original) The method as recited in claim 1, wherein selecting parameters of the application further includes:

linking to an HTML page the HTML page including an object containing version information of an archive file.

8. (Original) The method as recited in claim 7, wherein the object includes the width and height of a window of a web browser where the application appears.

9. (Currently Amended) A method for running a network program on a client, the network program accessed through a web browser on the client, the method comprising:

using the web browser to accessing a server via a software network port on the client, said server containing the network program;

using the web browser to ~~configuring~~ select parameters of the application;

linking to a page on the server, the page containing version information of a server archive file;

determining if a client archive file is present on the client, the determining further including;

inspecting the client archive file if the client archive file is present to ascertain if the client archive file is the same version as the server archive file; and

downloading the server archive file to the client if the client archive file is not present or if the client archive file is not the same version as the server archive file;

launching the network program on the client;

using the web browser to passing the parameters to the port; and

having the network program obtain the parameters by listening to the port.

10. (Currently Amended) The method as recited in claim 9, wherein the network program passes process data to the port, and the web browser listens to the port to receive the processed data. ~~is a Java based program for a printing application.~~

11. (Previously Presented) The method as recited in claim 9 further including:

executing the application, the executing further including,

accessing native libraries, the native libraries installed by the archive file.

12. (Currently Amended) The method as recited in claim ~~11~~9, wherein the web browser passes the parameters individually to the port, and the port is a TCP/IP port and the application is configured to listen to the TCP/IP port so that the application can receive the parameters passed to the port.

13. (Currently Amended) The method as recited in claim 9, wherein the archive file is a .cab file, the .cab file containing a control module, the control module configured to pass the parameters to a the port.

14. (Original) The method as recited in claim 13, wherein the control module is further configured to be digitally signed.

15. (Currently Amended) A system for installing and launching an application through a network, the system comprising:

a server, the server including an application contained in a server archive file, the application including a plurality of options, the server configured to link to a page containing version information of the server archive file, the server further configured to allow a user to select the options of the application;

a web browser, and

a client, the client in communication with the server through a network port by means of the web browser, the client inspected by the server to determine if a client archive file is present and current by comparing the version information of the server archive file with version information of the client archive file, wherein if the client archive file is not present or not current, the server archive file is downloaded to the client, the client archive file including the application, the application further configured to listen to ~~a~~ the network port such that any of the options selected by a user are transmitted to the application by a control module on the client through the software network port.

16. (Currently Amended) The system as recited in claim 15, wherein the control module individually transmits to the port the options selected by the user, and the client and server archive files are .cab files, the .cab files including .INF files, the .INF files including a launcher application containing the control module.

17. (Original) The system as recited in claim 15, wherein the application is a Java application containing printing functionality.

18. (Original) The system as recited in claim 17, wherein the Java application uses a Java virtual machine of an operating system of the client.

19. (Original) The system as recited in claim 17, wherein the printing functionality is regulated by native libraries, the native libraries included in the client archive file.

20. (Currently Amended) A computer readable media containing program instructions for installing and launching a network application on a client device, through a distributed network, the application contained on a server, the computer readable media comprising:

program instructions for accessing the server through the network by using a network port on the client device;

program instructions for selecting parameters of the application;

program instructions for determining if the latest version of the application is present on a client;

program instructions for downloading and installing an archive file containing the latest version of the application if the latest version of the application is not present on the client;

program instructions for launching the application on the client device;
and

program instructions for passing parameters to ~~a~~ the network port, for having the application listen to the port and implement the parameters intended for the application ~~the port in communication with the application~~, wherein the application is configured to access native libraries of the archive file.

21. (Currently Amended) The computer readable media as recited in claim 20, wherein the program instructions for passing parameters to a port further includes:

program instructions for configuring the application to listen to the port;
and

program instructions for individually sending the parameters over the port, the parameters being sent by a control module.

22. (Original) The computer readable media as recited in claim 20, wherein the port is a TCP/IP port.

23. (Original) The computer readable media as recited in claim 20, wherein the application is a Java application, the Java application configured to be executed by a Java virtual machine of an operating system of the client.

24. (Original) The computer readable media as recited in claim 20, wherein the program instructions for selecting parameters of the application further includes:

program instructions for linking to an HTML page the HTML page including an object containing version information of an archive file.

25. (Currently Amended) A method for installing and launching a network application, through a distributed network, the application contained on a server, the method comprising:

using a client computing device to establish a communication link through a network port to the server on the network;

selecting parameters of the application;
determining if the latest version of the application is present on the client;
downloading and installing an archive file containing the latest version of the application if the latest version of the application is not present on the client;
launching the application;
passing the parameters from within the client computing device to the network port;
having the application on the client computer device monitor the network port for said parameters, and implement the parameters.

26. (Previously Presented) The method of claim 25, wherein:

the client computing device uses an web browser to establish said communication link with the server; and

said application is made independent of said web browser.

27. (Previously Presented) The method of claim 26, wherein said application is a stand-alone Java application having access to native program libraries unimpaired by web browser limitations.